

## Scope and Purpose

To provide guidelines on how to process required Operational Permits for Pyrotechnic Special Effects (Proximate Display) set forth by the International Fire Code.

## Definition

Proximate Display - Proximate Pyrotechnic Displays are special effect devices specifically designed to have little or no fallout. Proximate Displays are primarily used for indoor events where the audience is close to the fireworks.

## Fire Permit Application

The following documentation shall be submitted 14 days prior to the start of the proposed event:

- Online Permitting Portal <https://onlinepermits.everettwa.gov/etrakit/default.aspx>
- U.S. Department of Justice - Federal Explosives License/Permit (18 U.S.C. Chapter 40).
- Pyro-technicians (operator) State License.
- Pyro-technicians (operator) Resume/Work Experience.
- Lead Pyro-technicians (operator) & Property Owner on-site representative contact information.
- Documentary proof of procurement of public liability insurance.
- Description of the Pyrotechnic Effects.
- Description of the Flame Effects.
- Diagram of the stage plot plan showing effects placement.
- Material Safety Data Sheets.
- Certifications that the set, Scenery and rigging materials and inherently flame-retardant or have been treated to achieve flame retardancy.

### Fees:

Operational Fire Permits for an Amusement Building = <https://www.everettwa.gov/306/Fire-Permits>

# Proximate Pyrotechnics Inspection Checklist

## General

	PASS	FAIL	N/A
1. <b>Contact Information</b> - Contact information for venue management.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Name _____			
• Phone# _____			
2. <b>Consent</b> - Confirm venue management consent to pyrotechnics.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. <b>Venue Safety Plan</b> - Review venue management safety plans, crowd control, security and emergency plans and procedures.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. <b>Protection Systems</b> – Determine the locations and secure access to all fire and emergency equipment and systems such as fire sprinklers, and fire alarms.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. <b>Building Systems/Equipment</b> – Verify a plan is in place for bypassing detectors, HVAC, or other systems that may cause a false alarm or the spread of smoke.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. <b>Security</b> - Verify secure areas and methods for restricting unauthorized persons from entering.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Pyrotechnic Walkthrough

	PASS	FAIL	N/A
1. Pyrotechnic firing systems:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Verify operator & spotters have clear view of effects and communication with operator (NFPA 1126: 6.3.5).			
Verify that all devices are securely fixed with proper audience separation:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Minimum 15ft or 2X fallout radius (NFPA 1126: 6.4.1).			
• Concussion mortars min 25ft in secured area (NFPA 1126: 6.4.2).			
• Trajectory of comets/mines not over audience (NFPA 1126: 6.2.11).			
• Waterfall effect area to be free of flammable materials (NFPA 1126: 6.2.12).			
• Wire rocket effects to be properly secured and terminated (NFPA 1126: 6.2.9).			
• Airbursts over audience to be minimum height of 3 times the diameter of effect, and no sparks within 15 feet of floor (NFPA 1126: 6.2.14(1) & (2)).			

Verify quantities, locations, and cueing of devices to be used.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

2. \_\_\_\_\_ Type of devices – verify indoor/proximate use & performance specifications (NFPA 1126: 5.1, 5.2, 5.3, 5.4).

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

- \_\_\_\_\_ Verify plot plan accuracy (NFPA 1126: 4.3.2 (j) and (k).  
Verify pyrotechnic plot with actual site dimensions/adjustments.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

## Safety

1. Check for approved and secure on-site storage and preparation areas (NFPA 1126: 4.3.2 (l), 6.1.3 & 6.1.4):

PASS	FAIL	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Separation from heat/flame sparks (NFPA 1126: 3.3).
- No smoking within 25ft (signage) (NFPA 1126: 6.5.5).
- Materials stored/handled neatly and orderly (NFPA 1126: 6.5.1).

2. 1. \_\_\_\_\_ Check firefighting equipment:

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

- Minimum of 2 approved water fire extinguishers (NFPA 1126: 6.1.1.1).
- Other firefighting equipment as needed/required (NFPA 1126: 6.1.1 & 6.1.1.2).
- Existing on-site firefighting equipment/systems.

Verify flame retardant materials in public areas and pyrotechnic installation sites

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

## During Show

1. Observe effect performance for safe operation.

PASS	FAIL	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Confirm audience separation, performers positioned correctly, support personnel readiness.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

3. Confirm and maintain unobstructed view of effects by operator and/or spotter.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

## Post-Show

1. Confirm that Pyrotechnician has Inspected all pyrotechnic devices to confirm firing (NFPA 1126: 6.7.1).

PASS	FAIL	N/A
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2. Confirm the integrity of fallout zones and adjacent areas.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------

3. Confirm reactivation of any disarmed fire detection/HVAC systems to normal operating mode (NFPA 1126: 6.7.6).

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	--------------------------	--------------------------